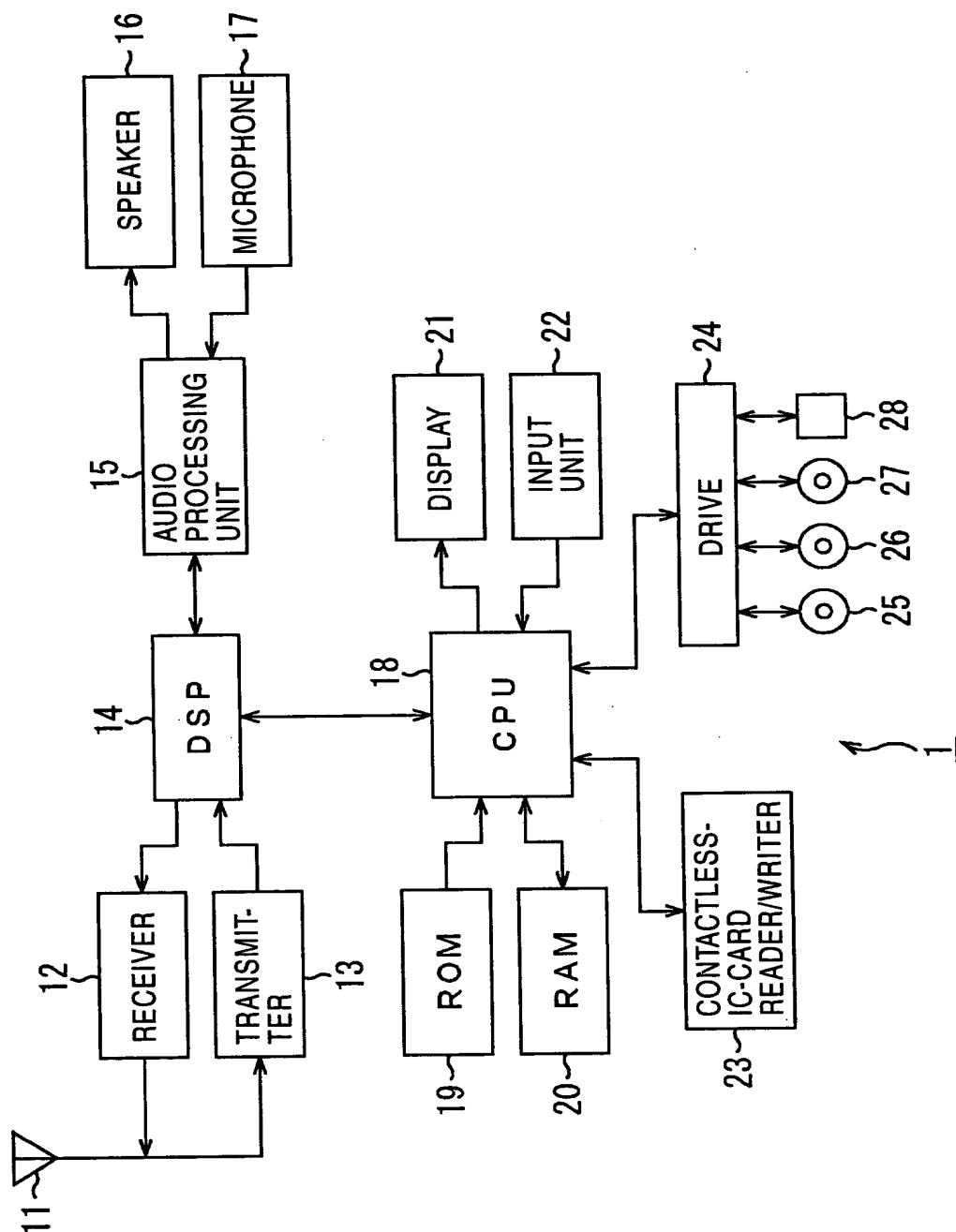


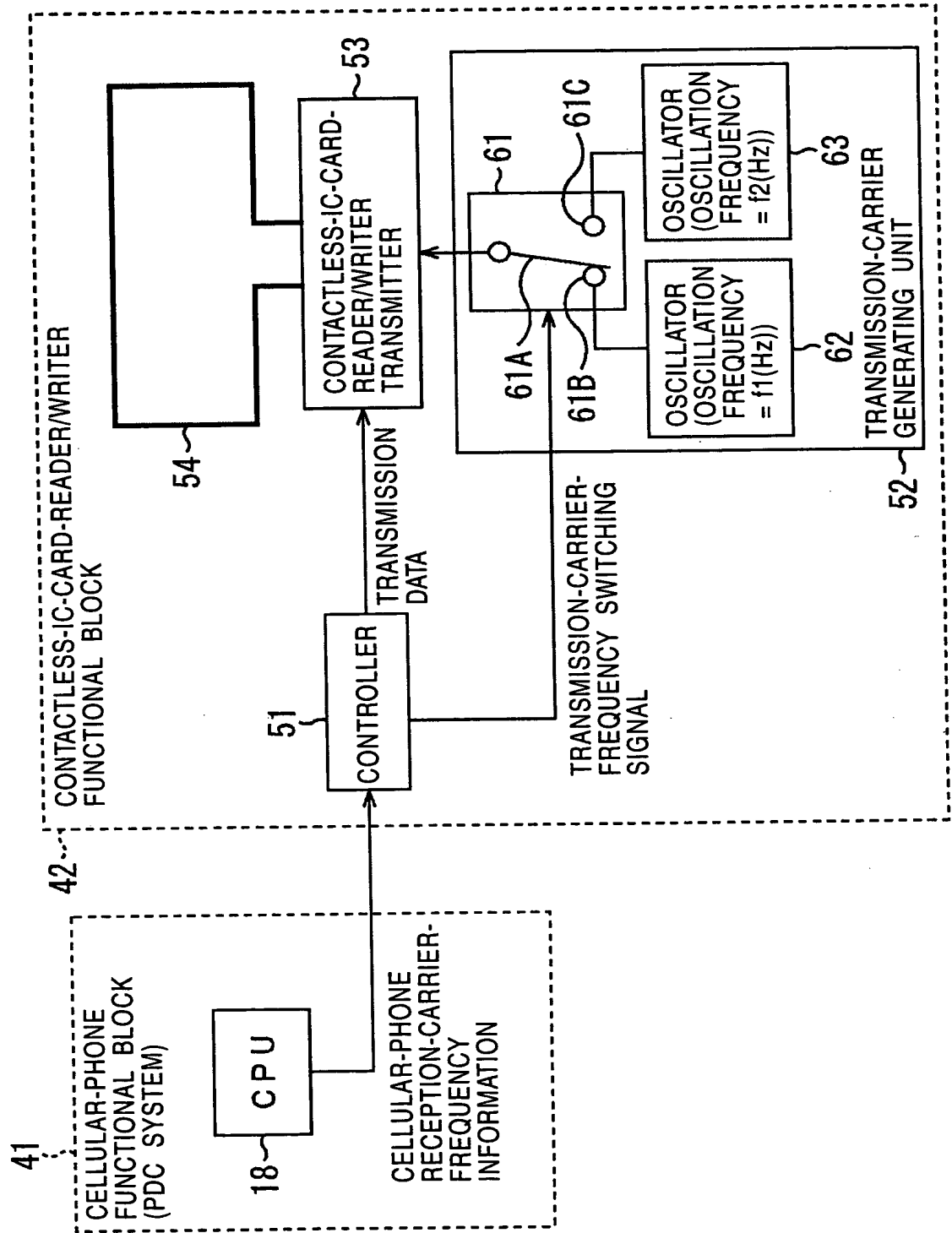
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FIG. 1



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FIG. 2



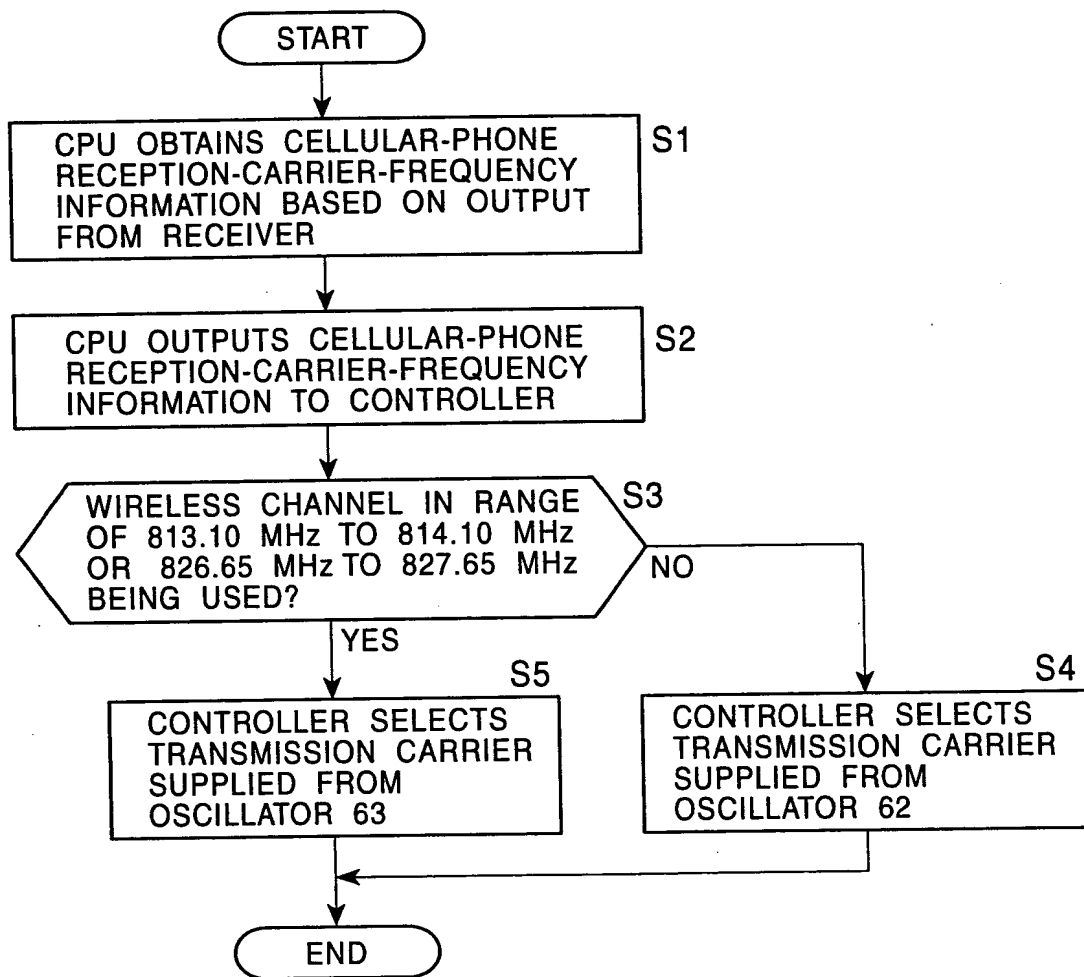
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FIG. 3

OSCILLATOR 62 (f1) = 13.56MHz ± 500ppm			PDC CELLULAR-PHONE RECEPTION CARRIERS WITHIN FREQUENCY OF HARMONIC WAVE ASSOCIATED WITH OSCILLATOR 62 (f1) ± 100kHz	
HARMONIC ORDER	FREQUENCY RANGE	WIRELESS CHANNELS	RECEPTION CARRIER FREQUENCIES	
60	813.193 ~ 814.007MHz	124 ~ 164	813.10 ~ 814.10MHz	
61	826.746 ~ 827.574MHz	666 ~ 706	826.65 ~ 827.65MHz	
OSCILLATOR 63 (f2) = 13.585MHz ± 500ppm			PDC CELLULAR-PHONE RECEPTION CARRIERS WITHIN FREQUENCY OF HARMONIC WAVE ASSOCIATED WITH OSCILLATOR 63 (f2) ± 100kHz	
HARMONIC ORDER	FREQUENCY RANGE	WIRELESS CHANNELS	RECEPTION CARRIER FREQUENCIES	
60	814.692 ~ 815.508MHz	184 ~ 224	814.60 ~ 815.60MHz	
61	828.271 ~ 829.099MHz	NONE	NONE	

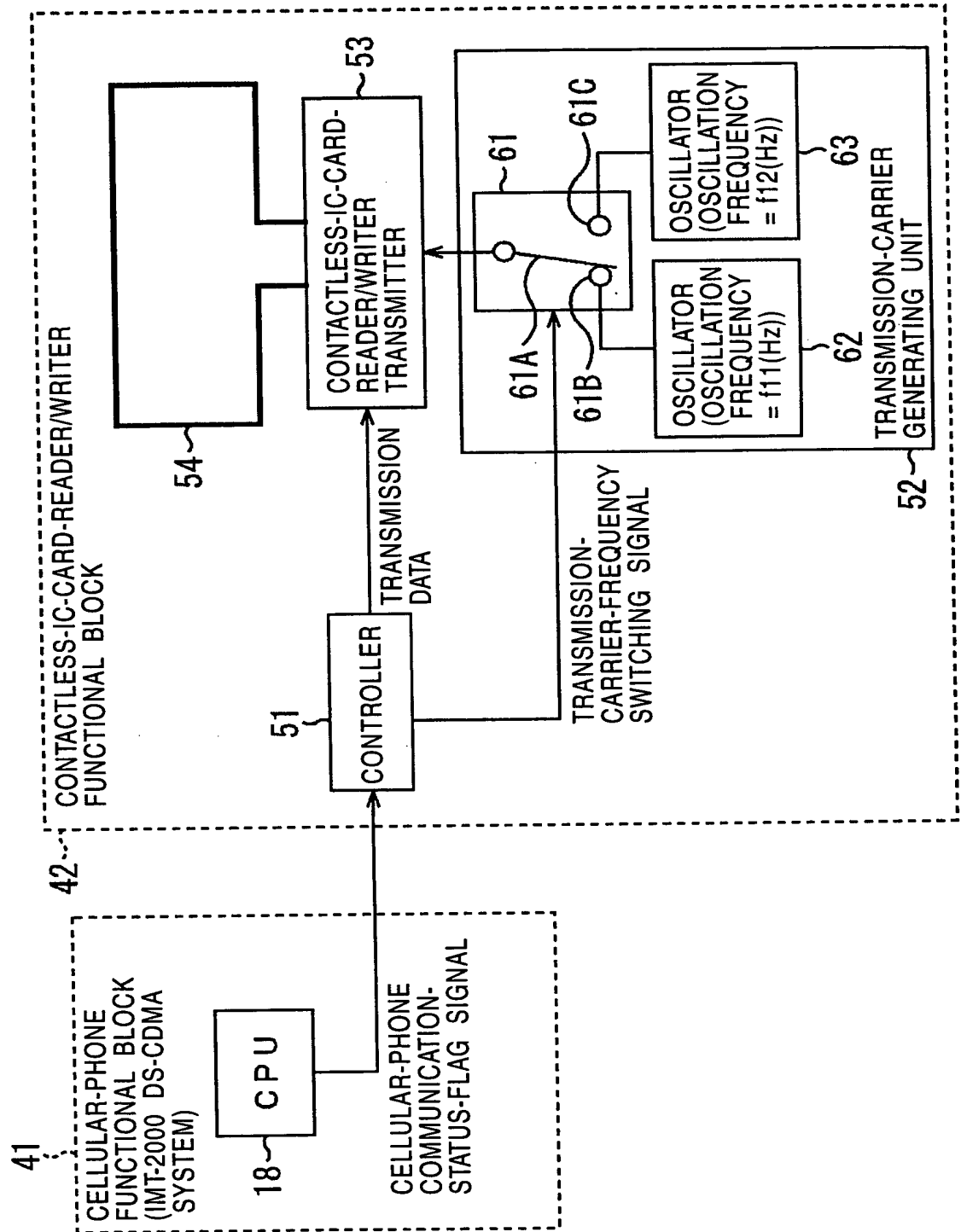
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FIG. 4



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FIG. 5



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FIG. 6

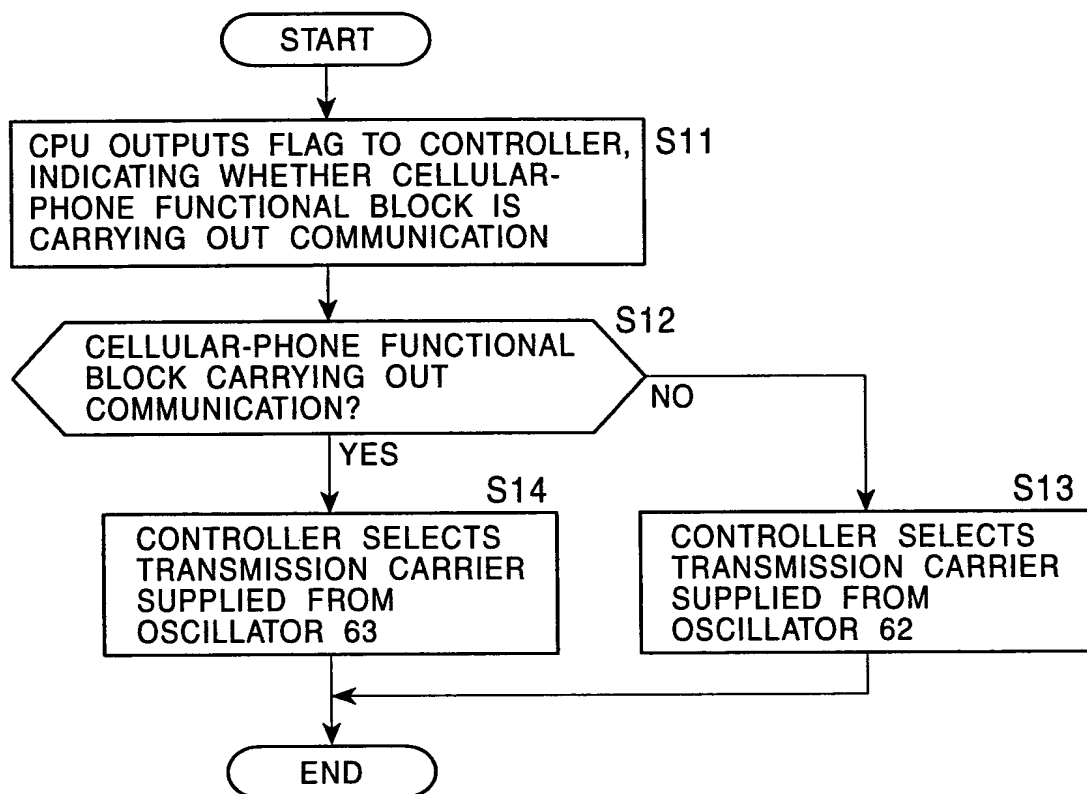
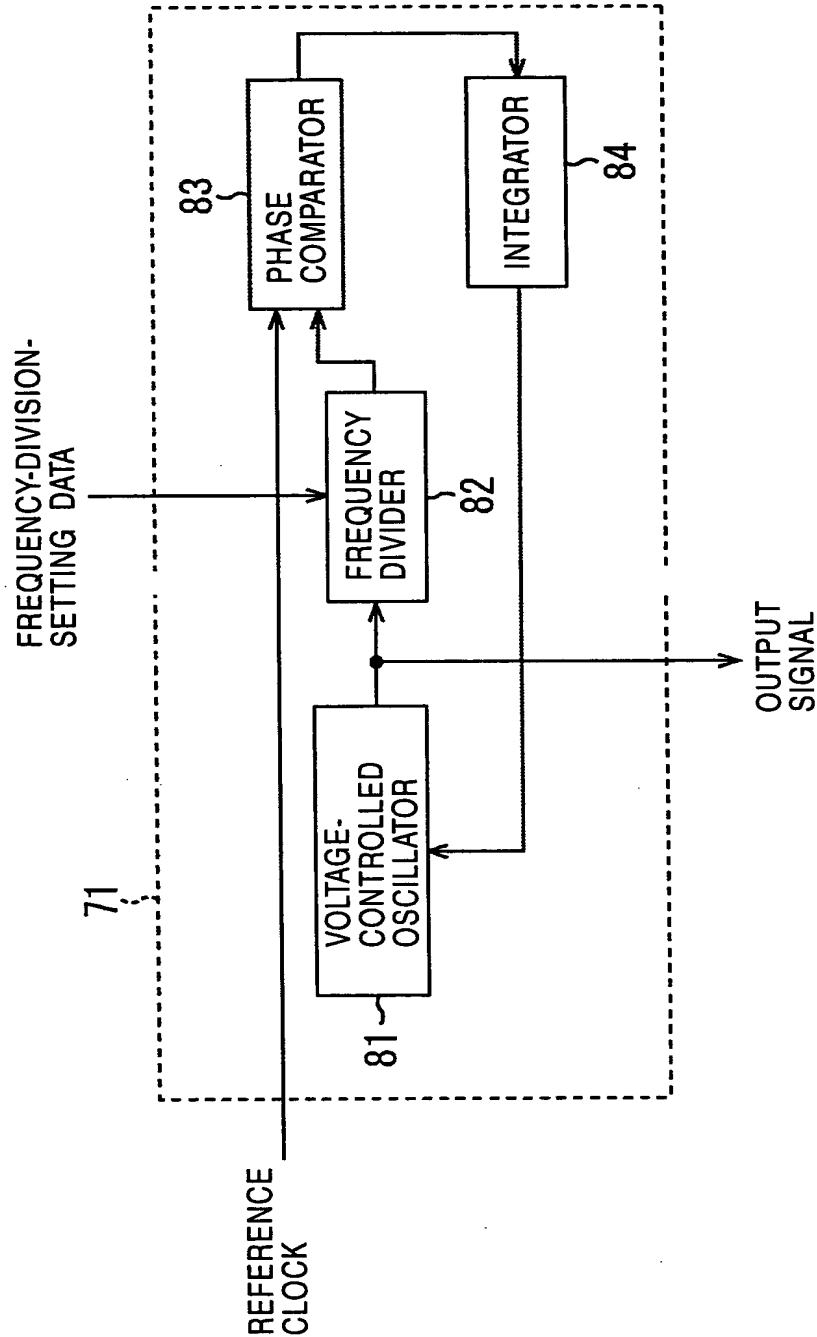


FIG. 7



The diagram illustrates a circuit for a contactless IC-card reader/writer transmitter. The system includes a **CONTACTLESS-IC-CARD-READER/WRITER TRANSMITTER 53** and a **CONTROLLER 51**. The circuit consists of several components: a capacitor **101** connected to the controller; a transistor **102** (NPN type) with its emitter grounded and its base connected to the controller; a capacitor **103** connected to the collector of transistor 102; a capacitor **104** connected to the collector of transistor 102; a capacitor **105** connected to the collector of transistor 102; and a capacitor **106** connected to the collector of transistor 102. The output of the transmitter is connected to the collector of transistor 102.